

A Regional Strategic Action Plan (RSAP) for Governance and Climate Resilience in the Water Sector in the Caribbean

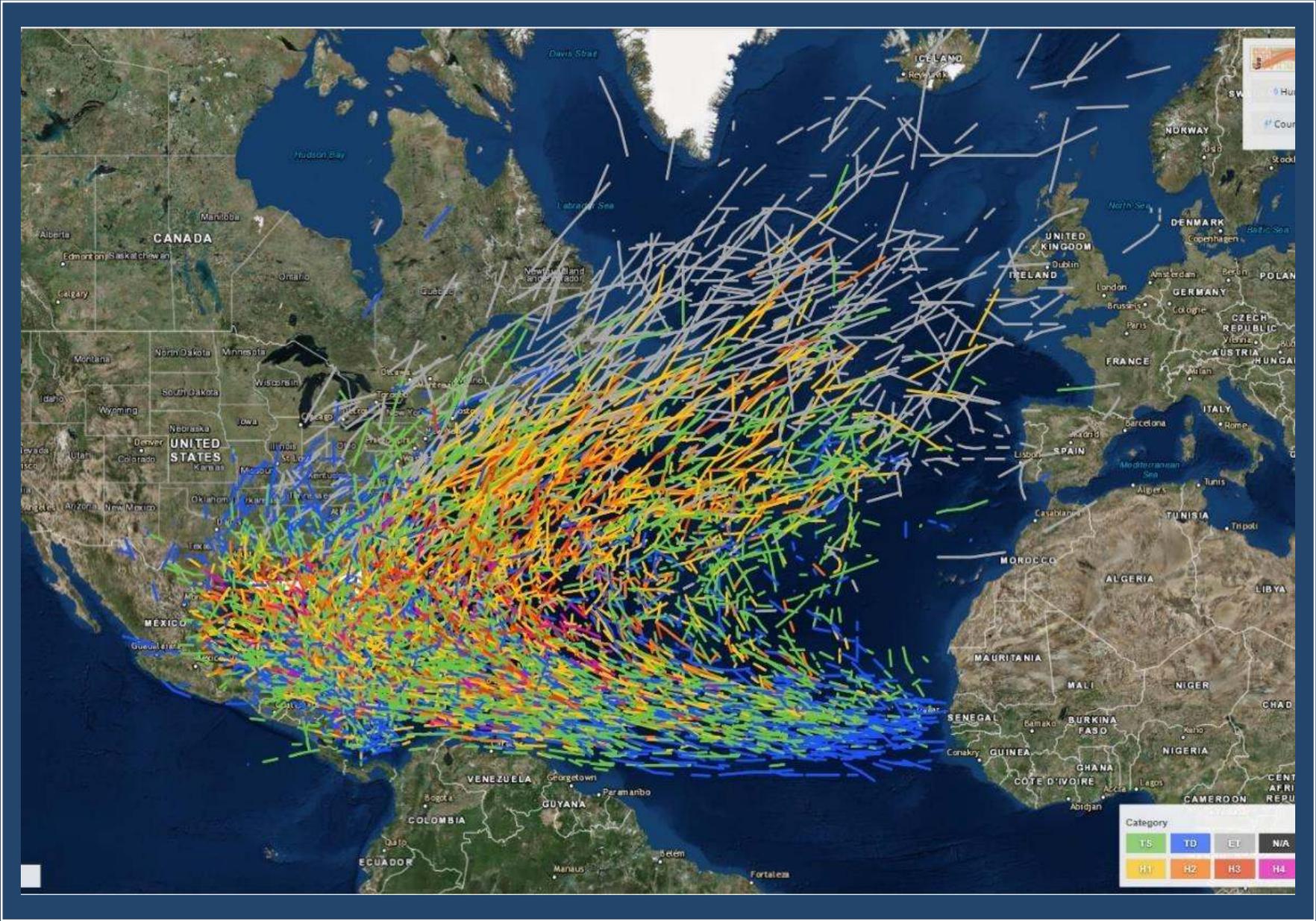


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We live in a Bad Neighbourhood



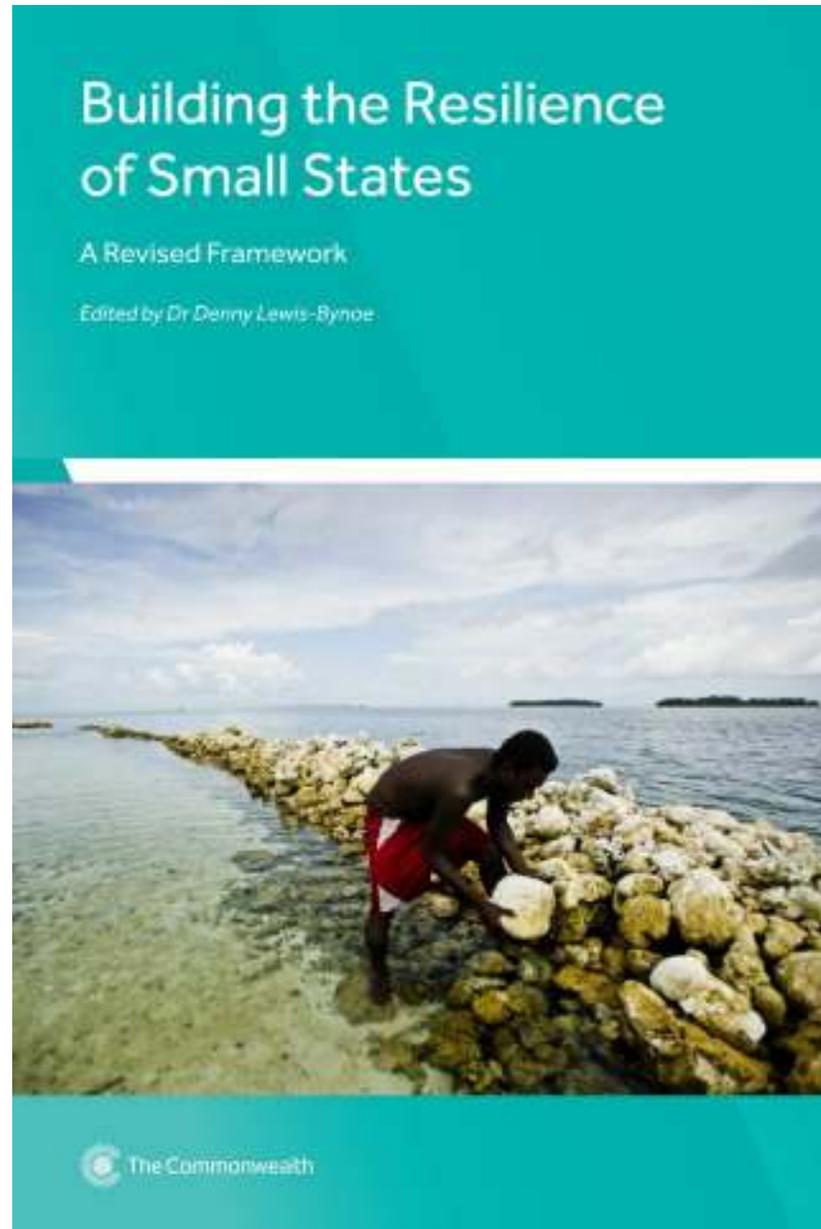
Climate Change is a Serious Threat to the Caribbean



Impact of Natural Disasters

Country	Event	Year	Damage (%GDP)
Dominica	Hurricanes David & Frederick	1979	101
Saint Lucia	Hurricane Allen	1980	66
Jamaica	Hurricanes Gilbert	1988	365
St Kitts and Nevis	Hurricane Luis	1995	85
Antigua & Barbuda	Hurricane Luis	1995	61
Grenada	Hurricane Ivan	2004	203
Guyana	Floods	2005	59
Dominica	Tropical Storm Erika	2015	90
Dominica	Hurricane Maria	2017	226
British Virgin Islands	Hurricane Irma	2017	>300

**Caribbean
Countries
are among
the Most
Vulnerable
Small
Island
Developing
States**



GLOBAL WARMING OF 1.5 °C

- What does the IPCC Report say?

- For global warming from 1.5°C to 2°C, risks across energy, food, and water sectors could overlap spatially and temporally, creating new and exacerbating current hazards, exposures, and vulnerabilities that could affect increasing numbers of people and regions
- Increasing warming amplifies the exposure of small islands, low-lying coastal areas and deltas to the risks associated with sea level rise for many human and ecological systems, including increased saltwater intrusion, flooding and damage to infrastructure
- Risks from droughts and precipitation deficits are projected to be higher at 2°C compared to 1.5°C global warming in some regions. Risks from heavy precipitation events are projected to be higher at 2°C compared to 1.5°C. Heavy precipitation associated with tropical cyclones is projected to be higher at 2°C compared to 1.5°C global warming.
- Any increase in global warming is projected to affect human health, with primarily negative consequences. Risks from some vector-borne diseases, such as malaria and dengue fever, are projected to increase with warming from 1.5°C to 2°C, including potential shifts in their geographic range

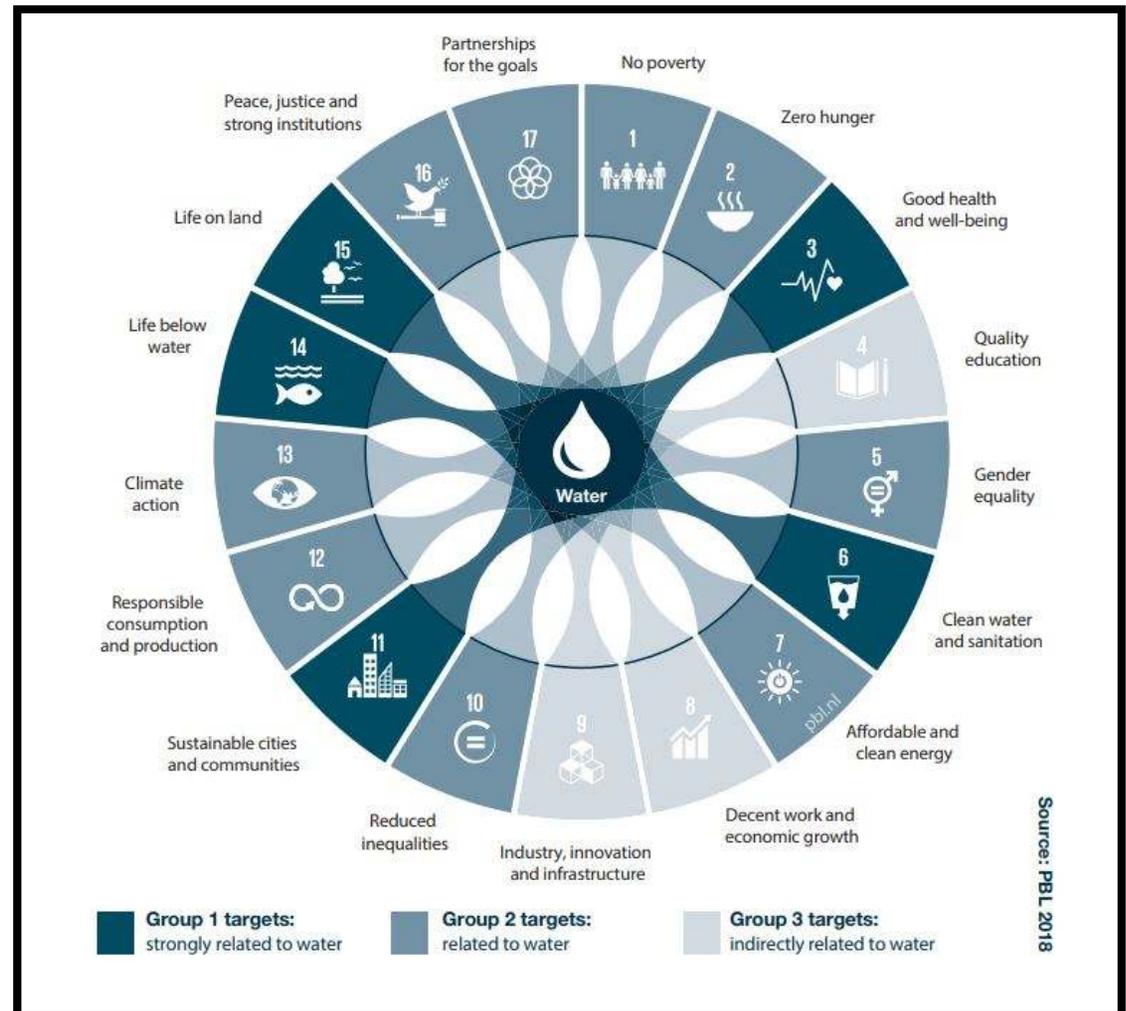
BUT....

- Strengthened multi-level governance, institutional capacity, policy instruments, technological innovation and transfer and mobilization of finance, and changes in human behaviour and lifestyles are enabling conditions that enhance the feasibility of mitigation and adaptation options for 1.5°C consistent systems transitions
- Adaptation options that reduce the vulnerability of human and natural systems have many synergies with sustainable development, if well managed, such as ensuring food and water security, reducing disaster risks, improving health conditions, maintaining ecosystem services and reducing poverty and inequality. Increasing investment in physical and social infrastructure is a key enabling condition to enhance the resilience and the adaptive capacities of societies

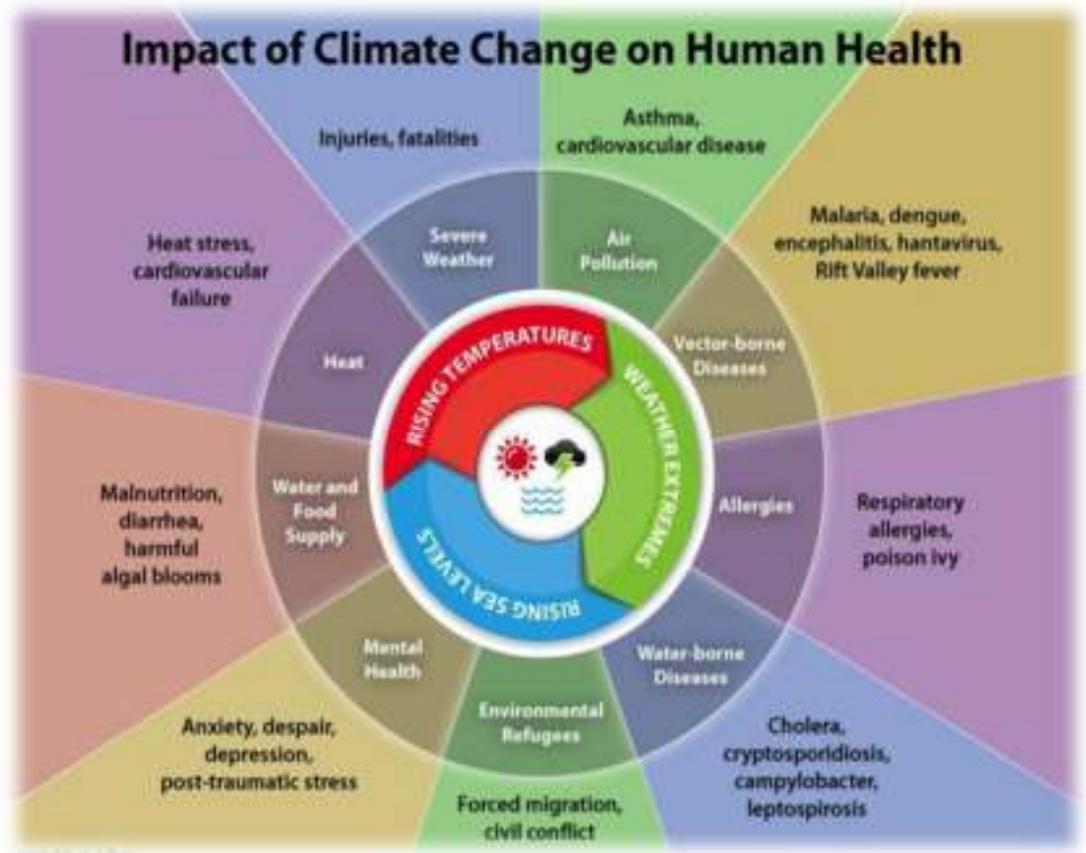
**The Water
Sector in
the
Caribbean
is Very
Vulnerable**



Water is a Nexus that Connects Climate Change and Health



**Climate
Change will
manifest
through
Water**



Water-Health Nexus

- Supports the provision of health services
- Contributes to Nutrition
- Hygiene and Sanitation
- Human well-being

- Direct & Indirect impacts
- Magnifies climate stressors
- Communicable diseases
- Pathway for pollution
- Disruption of services
- Non-communicable diseases
- Loss of life and property





Planning for the Integration of Climate Resilience in the Water Sector in the Caribbean

Stakeholder briefing note

October 2017

Project information

Project location:
The Caribbean and Latin America & the Pacific, with the Caribbean area as the primary focus. Activities are planned for up to ten Caribbean countries.

Project leader:

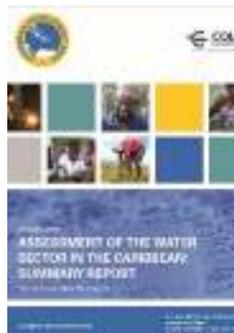
Project Lead: Dr. Chris Hill, General Director, Department of Economic Affairs, Barbados.

Project background

The primary objective of the project is to assist Caribbean water utilities to integrate climate resilience into their business plans. This is achieved by the national level of climate change assessment and the development of a climate resilience strategy for water utilities. The project is a follow-up to the Caribbean Climate Resilience Strategy for Water Utilities.

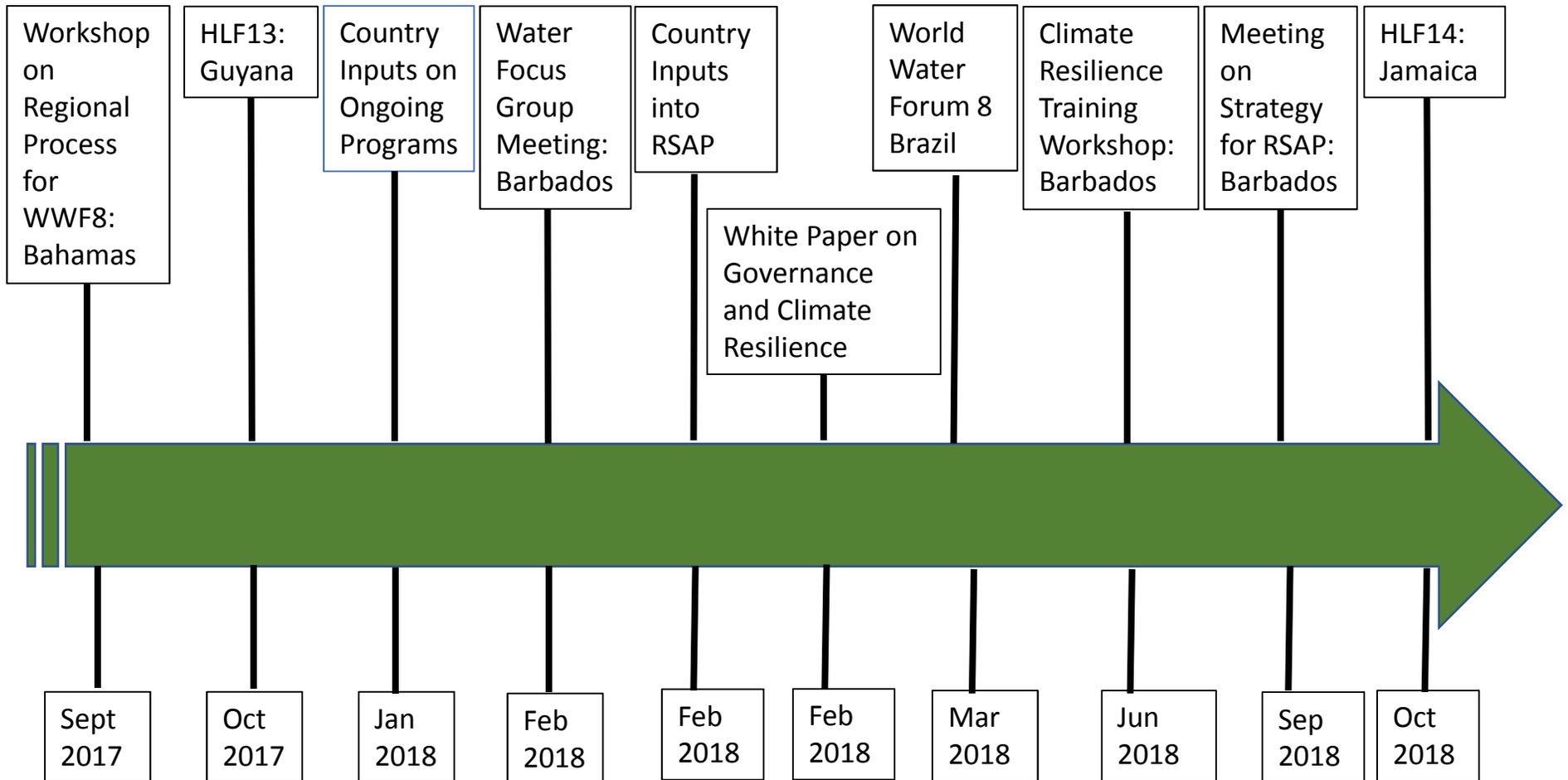
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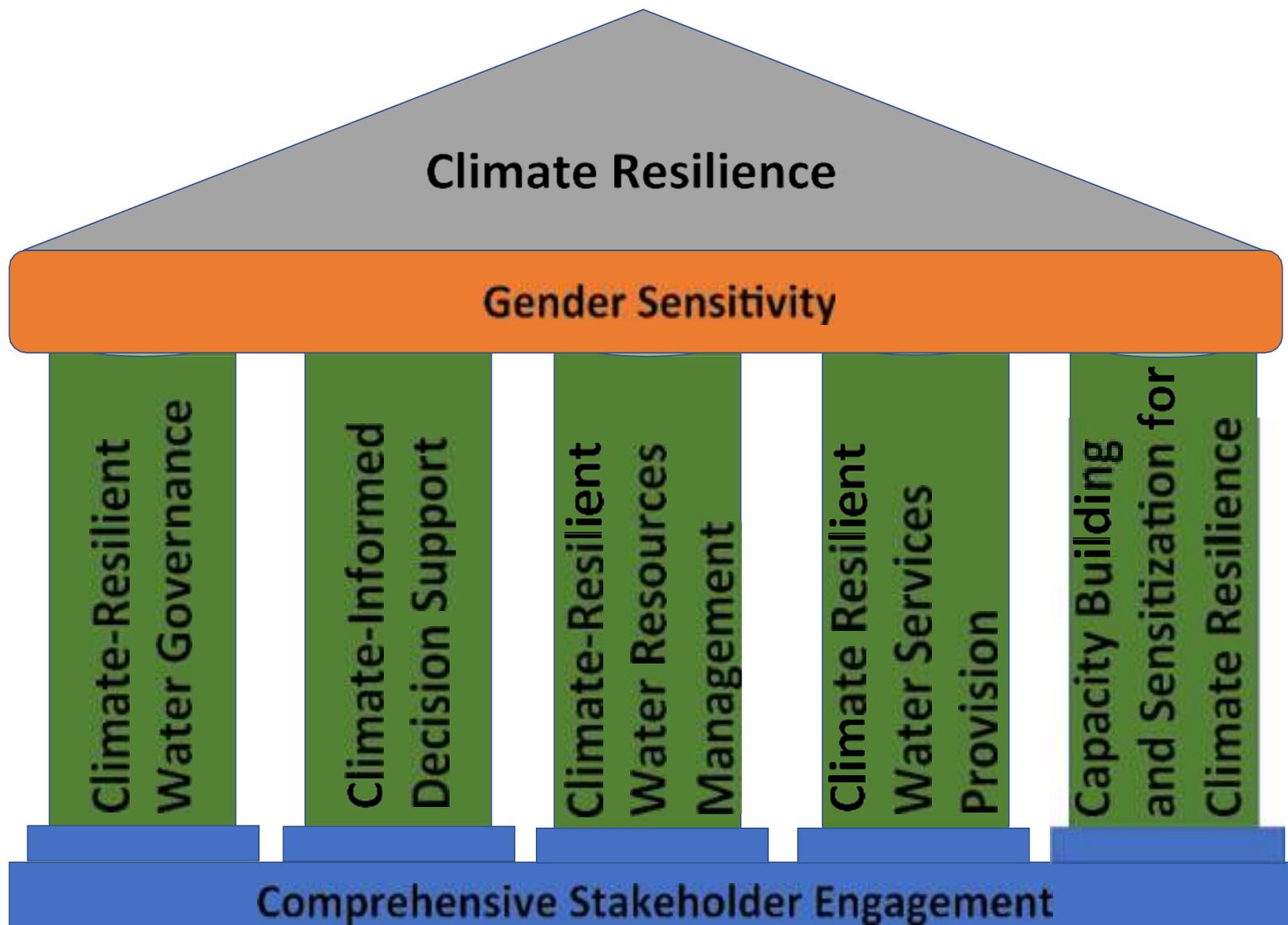
This Work has Built on Existing Studies

The Process has Been Consultative



The Caribbean's Action Plan for Developing Climate Resilience in the Water Sector





Second High-Level Forum of Caribbean Ministers Responsible for Waste Management

- To present the Regional Caribbean Action Plan for Waste Management;
- Identify and reach agreement on priority actions for implementation;
- Determine an implementation Strategy: quick wins;
- Determine financial and technical support for implementation
- Share experiences and best practices in Waste Management;
- Provide an opportunity for networking among participants



Moving Forward



**Political uptake:
Regional Climate
Framework already
accepted by
Declaration at the
Heads of Government
Meeting June 2018,
Montego Bay,
Jamaica;**



**Notwithstanding, there
is a need for political
uptake of the RSAP at
the CARICOM Heads of
Government level;**



**Proposal for a Water
Summit in 2019 to
elevate the water
agenda to Heads of
Government; (in the
same way that
Climate Change)**



**Recommendation that
the HLF be formally
recognized and endorsed
by CARICOM as a
mechanism for
promoting the water
agenda for the region;**



**Implement the
COTED decision of
2008 to establish a
Consortium of
Caribbean Water
Institutions;**

Where are we?

- High Level Forum of Ministers with Responsibility for Water
 - Indicated support for RSAP
- Commitment by
 - CDB, IDB, CWWA, CCCCC, PAHO
- Moving forward
 - Mobilising support – Regional Implementation Mechanism
 - Exploring synergies
 - Develop portfolio of activities

Actions for Resource Mobilisation

Conduct a mapping exercise of existing and pipeline national and regional projects and develop a programmatic matrix

Pursue synergies with complementary programmes: One Health, Waste Management, CReW+, IWEco,

Prioritize actions into long, medium and short-term; go for quick wins

Promote a national “buy-in” for the RSAP through National Dialogue Platforms

Develop bankable projects for funding agencies

Training programmes in Project Writing

- -The Green Climate Fund (GCF)
- The Adaptation Fund (AF)
- The Caribbean Development Bank (CDB)
- Inter-American Development Bank (IDB)
- Global Environment Facility (GEF)

Synergies



- 2nd High Level Forum for Solid Waste Management
- One Health – One Caribbean – One love
 - Human
 - Animal
 - Environment
- Water Safety Plans
- Wastewater Safety Plans

Clean Water Means Health

– Audrey Hepburn



**HLF 2018
Montego Bay,
Jamaica
9th and 10th
October 2018**





Ministry of Infrastructure and Water Management



MINISTRY OF ECONOMIC GROWTH AND JOB CREATION